



Brent Ritchie
Project Manager

December 28, 2017

Mr. Jeffery Kimble
EPA OSC
U.S. Environmental Protection Agency Region 5
9311 Groh Road
Grosse Ile, MI 48138

**Subject: Sampling and Analysis Plan and Quality Assurance Project Plan Amendment
Wolverine World Wide Former Tannery
123 North Main Street,
Rockford, MI 49341
EPA Contract No. EP-S5-13-01
TDD No. S05-0001-1712-003
Document Tracking No. 2238**

Dear Mr. Kimble:

As you requested, Tetra Tech, Inc. (Tetra Tech) is submitting this sampling and analysis plan and quality assurance project plan amendment for the Wolverine World Wide Former Tannery Site, located at 123 North Main Street, Rockford, Michigan. The amendment documents additional residential sampling you requested. If you have any questions regarding the amendment, please contact me at 810-280-2801.

Sincerely,

A handwritten signature in black ink, appearing to read 'Brent Ritchie', written over a horizontal line.

Brent Ritchie
Project Manager

Enclosure

cc: TDD File

**SAMPLING AND ANALYSIS PLAN AND
QUALITY ASSURANCE PROJECT PLAN
AMENDMENT**

**Wolverine World Wide Former Tannery
Rockford, Michigan**

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SAMPLING AND ANALYSIS PLAN AND QUALITY ASSURANCE PROJECT PLAN AMENDMENT

On December 22, 2017, Tetra Tech, Inc. (Tetra Tech) submitted Revision 1 of the sampling and analysis plan (SAP) and quality assurance project plan (QAPP) for the Wolverine World Wide Former Tannery Site in Rockford, Michigan, under U.S. Environmental Protection Agency (EPA) Region 5 Superfund Technical Assessment and Response Team (START) Contract No. EP-S5-13-01, Technical Direction Document (TDD) No. S05-0001-1712-003. On December 26, 2017, EPA requested that Tetra Tech collect additional samples not included in the SAP or QAPP. The additional sampling activities consisted of collecting an additional 10 residential water samples, including pre-treatment house samples (prior to treatment systems such as carbon filters, reverse osmosis, or water softeners) and treated house samples (drinking water) for analysis of perfluoroalkyl and polyfluoroalkyl substances (PFAS) by EPA's Chicago Regional Laboratory (CRL). CRL's analysis will be conducted in accordance with CRL "Standard Operating Procedure for the Analysis of Per/Polyfluorinated Compounds of Interest to OSRTI in Water, Sludge, Influent, Effluent, and Wastewater by Multiple Reaction Monitoring Liquid Chromatography/Mass Spectrometry (LC/MS/MS) Version 1, March 2009."

Tetra Tech collected the additional samples on December 27, 2017; however, these samples were not included in the scope of work summarized in Section 4.1 of the SAP. Sample collection was conducted in accordance with Section 4.2.3 of the SAP. No additional field reagent blank samples were required. The samples were collected as split samples at the same time as the residential samples detailed in the SAP. The samples were labeled in accordance with Section 4.2 of the SAP; no additional designation was included. One additional duplicate sample was collected in accordance with Section 6.2 of the SAP. Samples were handled, packaged, and shipped in accordance with Section 4.5 of the SAP.

The QAPP indicates that residential samples will be analyzed by Eurofins in accordance with Method 537 Version 1.1. However, EPA requested that the additional samples be shipped to CRL for analysis by the method cited above. These additional sample analytical results from CRL will be compared to the results from Eurofins to evaluate potential differences in results from these two analytical methods. The additional samples were collected in three 15-mL polypropylene filled to 5.0-mL as required by CRL's method and indicated in QAPP Worksheet #19. All CRL method requirements and laboratory procedures detailed in the QAPP apply to these samples.

The sample results will be reported with other analytical results in accordance with the SAP and QAPP.